Amendment to the Claims:

This listing of claims will replace all versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 28 (Canceled)

28. (Previously Presented) An apparatus, comprising:

a tracking device configured for tracking processor performance for a plurality of access points having wireless links with a plurality of wireless clients; and

a control device configured for varying the operation of at least one of the plurality of access points and at least one of the plurality of wireless clients to provide balanced access point digital processing performance;

wherein the control device is operable to performs at least one control action to provide balanced access point digital processing performance; and

wherein the at least one control action is selected from a group consisting of client admission control, varying the signal power of at least one of the plurality of wireless clients, and varying the signal power of at least one of the plurality of wireless access points.

29. (Previously Presented) The apparatus of claim 28, wherein the control action is selected from a group consisting of wireless client admission control, changing operating frequency of at least one of the plurality of access points, changing operating frequency of at least one of the plurality of wireless clients, varying the signal power of at least one of the plurality of wireless clients, changing the signal power of at least one of the plurality of access points, changing data rate of a wireless link between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the coding of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the modulation of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, and varying packet length.

30. (Previously Presented) The apparatus of claim 28, wherein the tracking device is further configured to track channel rate.

31. (Previously Presented) The apparatus of claim 28, wherein the tracking device is further configured to track packet error rate.

32. (Previously Presented) The apparatus of claim 28, wherein the access point digital processing performance includes adequate memory capacity.

33. (Previously Presented) The apparatus of claim 28, wherein the access point digital processing performance includes adequate Central Processing Unit (CPU) processing cycles.

34. (Previously Presented) The apparatus of claim 28, wherein the access point digital processing performance includes adequate uplink network capacity.

35. (Previously Presented) An apparatus, comprising:

a tracking device configured for tracking multipath for each wireless client's wireless link with each respective wireless access point for a plurality of wireless clients in communication with a plurality of access points; and

a control device for varying the operation of at least one of the respective wireless access points and wireless clients so as to minimize multipath for each wireless client's wireless link with each respective wireless access point;

wherein the control device is operable to perform at least one control action to vary the operation of at least one of the plurality of wireless access points and at least one of the plurality of wireless clients; and

wherein the at least one control action is selected from a group consisting of client admission control, varying the signal power of at least one of the plurality of wireless clients, and varying the signal power of at least one of the plurality of wireless access points.

36. (Previously Presented) The apparatus of claim 35, wherein the control action is selected from a group consisting of wireless client admission control, changing operating frequency of at least one of the plurality of access points, changing operating frequency of at least one of the plurality of wireless clients, varying the signal power of at least one of the plurality of wireless clients, changing the signal power of at least one of the plurality of access points, changing data rate of a wireless link between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the coding of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the modulation of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, and varying packet length.

37. (Previously Presented) The apparatus of claim 35, wherein the tracking device is further configured to track channel rate.

38. (Previously Presented) The apparatus of claim 35, wherein the tracking device is further configured to track packet error rate.

39. (Previously Presented) The apparatus of claim 35, wherein the tracking device is further configured to track processor performance.

41. (New) The apparatus of claim 35 wherein selected control action is client admission control.

42. (New) The apparatus of claim 35 wherein selected control action is varying the signal power of at least one of the plurality of wireless clients.

43. (New) The apparatus of claim 35, wherein the selected control action is varying the signal power of at least one of the plurality of wireless access points.

44. (New) A method, comprising:

tracking multipath for each wireless client's wireless link with each respective wireless access point for a plurality of wireless clients in communication with a plurality of access points; and

varying the operation of at least one of the respective wireless access points and wireless clients so as to minimize multipath for each wireless client's wireless link with each respective wireless access point;

wherein varying the operation is selected from a group consisting of client admission control, varying the signal power of at least one of the plurality of wireless clients, and varying the signal power of at least one of the plurality of wireless access points.

45. (New) The method of claim 44, wherein varying the operation is selected from a group consisting of wireless client admission control, changing operating frequency of at least one of the plurality of access points, changing operating frequency of at least one of the plurality of wireless clients, varying the signal power of at least one of the plurality of wireless clients, changing the signal power of at least one of the plurality of access points, changing data rate of a wireless link between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the coding of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the modulation of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, and varying packet length.

46. (New) The method of claim 44, further comprising tracking channel rate.

47. (New) The method of claim 44, further comprising to tracking packet error rate.

48. (New) The method of claim 44, further comprising tracking processor performance.

49. (New) An apparatus, comprising:

means for tracking multipath for each wireless client's wireless link with each respective wireless access point for a plurality of wireless clients in communication with a plurality of access points; and

means for varying the operation of at least one of the respective wireless access points and wireless clients so as to minimize multipath for each wireless client's wireless link with each respective wireless access point;

wherein the means for varying the operation performs an operation selected from a group consisting of client admission control, varying the signal power of at least one of the plurality of wireless clients, and varying the signal power of at least one of the plurality of wireless access points.

50. (New) The apparatus of claim 49, wherein means for varying the operation performs an operation selected from a group consisting of wireless client admission control, changing operating frequency of at least one of the plurality of access points, changing operating frequency of at least one of the plurality of wireless clients, varying the signal power of at least one of the plurality of wireless clients, changing the signal power of at least one of the plurality of access points, changing data rate of a wireless link between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the coding of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, changing the modulation of a wireless signal between at least one of the plurality of access points and at least one of the plurality of wireless clients, and varying packet length.

51. (New) The apparatus of claim 49, further comprising means for tracking channel rate.

52. (New) The apparatus of claim 49, further comprising means for tracking packet error rate.

53. (New) The apparatus of claim 49, further comprising means for tracking processor performance.